

ABSTRACT

A software system with a two tier arrangement for threads support that enhances the adaptability of a virtual machine to differing platforms. The 5 software system includes a virtual machine with a threads interface layer having a set of methods that provide thread support in the virtual machine according to a standard threads interface associated with the virtual machine. The software system 10 includes a native threads interface layer that provides a set of methods that adapt the methods of the threads interface layer to a platform which underlies the software system. The native threads interface layer shields the virtual machine from the 15 particulars of the underlying operating system while the threads interface layer provides a stable interface for application programs and other tasks that benefit from thread support in the virtual machine.

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